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west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304-2345
Telephone Number: (304) 926-0495
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Joe Manchin III, Governor
Stephanie R. Timmermeyer, Cabinet Secretary
www.wvdep.org

**ORDER
ISSUED UNDER THE
WATER POLLUTION CONTROL ACT
WEST VIRGINIA CODE, CHAPTER 22, ARTICLE 11**

TO: Virginia Electric & Power Co.
Mount Storm Plant
5000 Dominion Blvd.
Glen Allen, VA 23060

ORDER NO.: 6291

DATE: April 14, 2008

The following findings are made and Order issued to Virginia Electric & Power Co. pursuant to the authority vested in the Director of the Division of Water and Waste Management under Chapter 22, Article 11, Section 1 et seq. of the Code of West Virginia.

FINDINGS OF FACT

1. Virginia Electric & Power Co. (VEPCO) owns and operates the Mt. Storm Power Plant located in Grant County. This facility is permitted (WV/NPDES Permit No. WV0005525 issued the 14th day of April 2008) to discharge treated process wastewater, cooling water, sewage, and storm water runoff via Outlet 001 (discharge from Mt. Storm Lake) into Stony River of the North Branch of the Potomac River.
2. The reissued permit contains final summer and Winter temperature effluent limitations and temperature difference stream limitations at Outlet 001. The temperature limitations in the current permit are in accordance with water quality criteria; however, VEPCO cannot currently achieve these effluent limitations.
3. VEPCO applied for a 316(a) thermal variance, but a 316(a) thermal variance has not been granted.
4. VEPCO has been working with the West Virginia Department of Environmental Protection (WVDEP) and the United States Environmental Protection Agency (USEPA) to determine what is needed to meet the requirements for a 316(a) thermal variance.
5. In order to qualify for a 316(a) thermal variance, VEPCO must demonstrate that any thermal effluent limitations less stringent than those necessary to be protective of West Virginia Water Quality Standards as identified in 47 CSR 2 will assure the protection and propagation of a balanced, indigenous population of shellfish, fish, and wildlife in and on the body of water into which the discharge is made.
6. At present, the thermal discharge from Outlet 001 does not assure the protection and propagation of a balanced, indigenous population of shellfish, fish, and wildlife in and on the Stony River.

7. VEPCO submitted a plan of action (compliance schedule) on May 3, 2007 to minimize the thermal impacts of the discharge from Outlet 001. The plan consists of the installation of a weir and flow and temperature measurement instrumentation at the base of the dam and spillway gates, installation of a discharge control system, and installation of a new cooling tower system.
8. In order to ensure the protection of water quality standards and/or the protection and propagation of a balanced, indigenous population of shellfish, fish, and wildlife, and ensure compliance with water quality standards the temperature of the discharge from Outlet 001 into the Stony River must be reduced and rapid temperature fluctuations must be minimized year round.

ORDER FOR COMPLIANCE

And now, therefore, in accordance with Chapter 22, Article 11, Section 1 et. Seq. of the WV Code, VEPCO is hereby ORDERED to do the following:

1. VEPCO shall implement lake management controls to minimize, to the maximum extent practicable, the thermal discharges and thermal variations in the discharges from the lake at all times. Further, these controls shall be designed to preclude any discharge over the spillway up to and including a 24-hour, 25-year storm event. A 24-hour, 25-year storm event is defined as 3.81 inches of rain over a 24-hour period at normal operating pool.
2. VEPCO shall install a weir at the discharge from the stilling basin. VEPCO shall provide for continuous monitoring for temperature and flow at the weir with the ability to obtain data on a year round basis. VEPCO shall also install a discharge control system capable of controlling the release of water at the spillway.
3. VEPCO shall install a cooling system capable of assuring temperatures below the spillway necessary for the protection of water quality standards and/or the protection and propagation of a balanced, indigenous population of shellfish, fish, and wildlife in the lower Stony River. However, it should be noted that a successful 316(a) demonstration will ultimately depend upon the requirements in Item No. 6 below. As such, subsequent temperature reductions may be necessary to ensure said requirements are demonstrated. The cooling tower system shall be designed to discharge to the lake and the overflow from the spillway.
4. VEPCO shall develop an Operational Plan for the discharge weir, spillway gate, discharge control system, and cooling tower system. This Operational Plan shall be developed in a manner to minimize, to the maximum extent practicable, the thermal discharges and thermal variations in the discharges from the lake.
5. VEPCO shall adhere to the compliance schedule found in Attachment A of this Order.

6. Expected stocking of fish from the Balanced Indigenous Population (BIP) list (see Attachment B) shall be coordinated with the WVDNR and commence in the Stony River following the completion of the construction of the spillway gate modifications (November 2010). The elimination of predator species shall be done only with the consultation and approval of WVDNR. Success for a 316(a) demonstration will be measured by the presence of a sustaining BIP, including evidence of reproduction. Success shall also be determined by the biological integrity of Stony River by collection and identification of benthic macroinvertebrates in accordance with the West Virginia Stream Condition Index (WVSCI) protocol. The WVDEP recognizes that impoundments influence filter feeder abundance and that the benthic community in Stony River may not achieve as high a WVSCI score as an otherwise similar, but unimpounded stream.
7. In order to qualify for a 316(a) variance, VEPCO shall have attained a sustaining BIP in the Stony River between the Mt. Storm Lake Dam and the confluence with Four-Mile Run.
8. Final summer (May 1 – November 30) temperature effluent limit means an instantaneous maximum effluent temperature limitation of 87° Fahrenheit (F).

Final winter (December 1 – April 30) temperature effluent limit means an instantaneous maximum effluent temperature limitation of 73° F.

Final temperature difference stream limit means an instantaneous maximum stream difference temperature limitation of 5° F.

Interim summer (May 1 – November 30) temperature effluent limit means an instantaneous maximum effluent temperature limitation of 95° F until July 1, 2014.

Interim winter (December 1 – April 30) temperature effluent limit means an instantaneous maximum effluent temperature limitation of 75° F until July 1, 2014.

Interim temperature difference stream limit means monitor only until July 1, 2014.

VEPCO shall comply with the final summer and winter temperature effluent limitations and the final temperature difference stream limitation or the resultant limitations from a granted 316(a) variance at Outlet 001 as soon as possible but no later than July 1, 2014. Until that time, the permittee shall comply with the interim summer and winter temperature effluent limitations and the interim temperature difference stream limitation at Outfall 001.

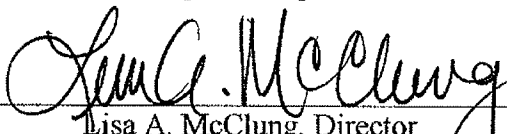
OTHER PROVISIONS

1. Compliance with the terms and conditions of this Order shall not in any way be construed as relieving VEPCO of the obligation to comply with any applicable law, permit, other order, or any other requirement otherwise applicable. Violations of the terms and conditions of this Order may subject VEPCO to additional enforcement action in accordance with the applicable law.
2. The provisions of this Order are severable and should a court or board of competent jurisdiction declare any provisions to be invalid or unenforceable, all other provisions shall remain in full force and effect.
3. This Order is binding on VEPCO, its successors and assigns.
4. This Order shall terminate upon VEPCO's notification of full compliance with the "Order for Compliance" and verification of this notification by WVDEP.

RIGHT OF APPEAL

Notice is hereby given of your right to appeal the terms and conditions of this Order which you are aggrieved to the Environmental Quality Board by filing a NOTICE of APPEAL on the form prescribed by such Board, in accordance with the provisions of Section 21, Article 11, Chapter 22 of the Code of West Virginia within thirty (30) days after receipt of this Order.

This Order shall become effective upon receipt.



Lisa A. McClung, Director
Division of Water and Waste Management

LAM/wjs

cc w/attachments:

Env. Inspector
Env. Insp. Supervisor
EPA Region III

ATTACHMENT A

ORDER No. 6291

Compliance Schedule

1. Oct. 01, 2008 Submit Spillway Gate Design to DEP.
2. Oct. 01, 2008 Submit Measurement Weir Design to DEP.
3. Oct. 01, 2008 Submit Discharge Control System Design to DEP.
4. Mar. 01, 2009 Submit Annual Progress Report for 2008 Activities to DEP.
5. Apr. 01, 2009 Submit Cooling System Design to DEP.
6. Nov. 01, 2009 Complete Discharge Control System Installation.
7. Nov. 01, 2009 Complete Measurement Weir Installation.
8. Mar. 01, 2010 Submit Annual Progress Report for 2009 Activities to DEP.
9. Nov. 01, 2010 Complete Spillway Gate Modification.
10. Mar. 01, 2011 Submit Annual Progress Report for 2010 Activities to DEP.
11. Jul. 01, 2011 Complete Cooling System Installation and Commence Operation.
12. Jan 31, 2012 Submit Operation Plan for Minimizing Thermal Impacts.
13. Mar. 01, 2012 Submit Annual Progress Report for 2011 Activities to DEP.
14. Mar. 01, 2013 Submit Annual Progress Report for 2012 Activities to DEP.
15. Jul. 01, 2014 Comply with Final Temperature Limitations and/or Obtain an Approved 316(a) Variance.

ATTACHMENT B

ORDER No. 6291

Balanced Indigenous Population List

1. Central Stoneroller
2. Spotfin Shiner
3. Blacknose Dace
4. White Sucker
5. Creek Chub
6. Fantail Darter
7. Greenside Darter
8. Northern Hogsucker
9. Channel Catfish
10. Bluegill
11. Green Sunfish
12. Smallmouth Bass
13. Largemouth Bass
14. Native Crayfish

ATTACHMENT A - ORDER NO. 6291

A.001 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Order Limitations

Such discharges shall be limited and monitored by the permittee as specified below:

Such discharges shall be limited and monitored by the permittee as specified below:							Monitoring Requirements	
Effluent Characteristic	Quantity		Discharge Limitations			Units	Measurement Frequency	Sample Type
			Units	Other Units				
Temp. Diff. Up/Down Stream (F) (Year Round) (ML-2)	N/A	N/A	N/A	Rpt Only Inst. Min.	Rpt Only Avg. Monthly	Rpt Only Inst. Max.	DEG.F	1/week Calculated
Difference between discharge and upstream of Mount Storm Lake.								
Temperature, F (Summer May 1-Nov 30) (ML-1)	N/A	N/A	N/A	Rpt Only Inst. Min.	Rpt Only Avg. Monthly	95 Inst. Max.	DEG.F	Continuous measured
Discharge temperature from May 1 thru Nov 30.								
Temperature, F (Winter Dec 1-Apr 30) (ML-1)	N/A	N/A	N/A	Rpt Only Inst. Min.	Rpt Only Avg. Monthly	75 Inst. Max.	DEG.F	Continuous measured
Discharge temperature from Dec 1 thru Apr 30.								

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
In Mount Storm Lake prior to the spillway gate, except for temperature and flow which shall be measured at the base of the spillway.

This discharge shall not cause violation of Title 47, Series 2, Section 3, of the West Virginia Legislative Rules issued pursuant to Chapter 22B, Article 3.

Permit No.: WV0005525

00026502

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Interim Order Limitations
Summer May 1-Nov 30

FACILITY NAME: (MOUNT STORM POWER STATION) VIRGINIA ELECTRIC & POW

CERTIFIED LABORATORY NAME: _____

LOCATION OF FACILITY: MOUNT STORM; Grant County

CERTIFIED LABORATORY ADDRESS: _____

PERMIT NO.: WV0005525

OUTLET NO.: 001

WASTELOAD FOR THE MONTH OF: _____

INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units				C.E.L.*	Units	N.E.	Measurement Frequency	Sample Type
				Units	N.E.									
00530 (ML-1) RF-A	Reported													
Total Suspended Solids	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only		N/A	mg/l		2/month	24 hr Composite
Year Round							Avg. Monthly	Max. Daily						
00400 (ML-1) RF-A	Reported													
pH	Permit Limits	N/A	N/A			6	N/A	9		N/A	S.U.		2/month	Grab
Year Round						Inst. Min.		Inst. Max.						
00300 (ML-1) RF-A	Reported													
Dissolved Oxygen	Permit Limits	N/A	N/A			Rpt Only	Rpt Only	Rpt Only		N/A	mg/l		2/month	Grab
Year Round						Inst. Min.	Avg. Monthly	Inst. Max.						
00600 (ML-1) RF-A	Reported													
Nitrogen, Total (as N)	Permit Limits	N/A	N/A			N/A	5	Rpt Only		N/A	mg/l		1/month	24 hr Composite
Year Round							Avg. Monthly	Max. Daily						
00665 (ML-1) RF-A	Reported													
Phosphorus, Total	Permit Limits	N/A	N/A			N/A	0.5	Rpt Only		N/A	mg/l		1/month	24 hr Composite
Year Round							Avg. Monthly	Max. Daily						
71900 (ML-1) RF-B	Reported													
Mercury, Total (as Hg)	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only		N/A	ug/l		1/quarter	Grab
Year Round							Avg. Monthly	Max. Daily						
01104 (ML-1) RF-B	Reported													
Aluminum, Total Recoverable	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only		N/A	mg/l		1/quarter	24 hr Composite
Year Round							Avg. Monthly	Max. Daily						
00980 (ML-1) RF-B	Reported													
Iron, Total Recoverable	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only		N/A	mg/l		1/quarter	24 hr Composite
Year Round							Avg. Monthly	Max. Daily						

* C.E.L. = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed
		Signature of Principal Executive Officer or Authorized Agent
Title of Officer		

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORTInterim Order Limitations
Summer May 1-Nov 30

FACILITY NAME: (MOUNT STORM POWER STATION) VIRGINIA ELECTRIC & POW

CERTIFIED LABORATORY NAME: _____

LOCATION OF FACILITY: MOUNT STORM, Grant County

CERTIFIED LABORATORY ADDRESS: _____

PERMIT NO.: WV0005525

OUTLET NO.: 001

WASTELOAD FOR THE MONTH OF: _____

INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units			CEL*	Units	N.E.	Measurement Frequency	Sample Type
				Units	N.E.								
00981 (ML-1) RF-B	Reported												
Selenium, Total Recoverable	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only	N/A	mg/l		1/quarter	24 hr Composite
Year Round							Avg. Monthly	Max. Daily					
00011 (ML-5) RF-A	Reported												
Temperature, F	Permit Limits	N/A	N/A			Rpt Only	Rpt Only	Rpt Only	N/A	DEG.F		1/week	Insitu
Year Round						Inst. Min.	Avg. Monthly	Inst. Max.					
00011 (ML-1) RF-A	Reported												
Temperature, F	Order Limits	N/A	N/A			Rpt Only	Rpt Only	95	N/A	DEG.F		Continuous	measured
Summer May 1-Nov 30						Inst. Min.	Avg. Monthly	Inst. Max.					
03772 (ML-2) RF-A	Reported												
Temp. Diff. Up/Down Stream (F)	Order Limits	N/A	N/A			Rpt Only	Rpt Only	Rpt Only	N/A	DEG.F		1/week	Calculated
Year Round						Inst. Min.	Avg. Monthly	Inst. Max.					
									N/A				
									N/A				
									N/A				
									N/A				

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed	
Title of Officer		Signature of Principal Executive Officer or Authorized Agent	

00026504

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Interim Order Limitations
Winter Dec 1-Apr 30

FACILITY NAME: (MOUNT STORM POWER STATION) VIRGINIA ELECTRIC & POW

CERTIFIED LABORATORY NAME: _____

LOCATION OF FACILITY: MOUNT STORM; Grant County

CERTIFIED LABORATORY ADDRESS: _____

PERMIT NO.: WV0005525OUTLET NO.: 001

WASTELOAD FOR THE MONTH OF: _____

INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units				CEL*	Units	N.E.	Measurement Frequency	Sample Type
				Units	N.E.									
00530 (ML-1) RF-A Total Suspended Solids Year Round	Reported									N/A	mg/l		2/month	24 hr Composite
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily						
00400 (ML-1) RF-A pH Year Round	Reported									N/A	S.U.		2/month	Grab
	Permit Limits	N/A	N/A			6 Inst. Min.	N/A	9 Inst. Max.						
00300 (ML-1) RF-A Dissolved Oxygen Year Round	Reported									N/A	mg/l		2/month	Grab
	Permit Limits	N/A	N/A			Rpt Only Inst. Min.	Rpt Only Avg. Monthly	Rpt Only Inst. Max.						
00600 (ML-1) RF-A Nitrogen, Total (as N) Year Round	Reported									N/A	mg/l		1/month	24 hr Composite
	Permit Limits	N/A	N/A			N/A	5 Avg. Monthly	Rpt Only Max. Daily						
00685 (ML-1) RF-A Phosphorus, Total Year Round	Reported									N/A	mg/l		1/month	24 hr Composite
	Permit Limits	N/A	N/A			N/A	0.5 Avg. Monthly	Rpt Only Max. Daily						
71900 (ML-1) RF-B Mercury, Total (as Hg) Year Round	Reported									N/A	ug/l		1/quarter	Grab
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily						
01104 (ML-1) RF-B Aluminum, Total Recoverable Year Round	Reported									N/A	mg/l		1/quarter	24 hr Composite
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily						
00980 (ML-1) RF-B Iron, Total Recoverable Year Round	Reported									N/A	mg/l		1/quarter	24 hr Composite
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily						

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed
Title of Officer		Signature of Principal Executive Officer or Authorized Agent

00026505

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Interim Order Limitations
Winter Dec 1-Apr 30

FACILITY NAME: (MOUNT STORM POWER STATION) VIRGINIA ELECTRIC & POW CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: MOUNT STORM; Grant County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0005626 OUTLET NO.: 001 _____
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity		Units	N.E.	Other Units			CEL*	Units	N.E.	Measurement Frequency	Sample Type
00981 (ML-1) RF-B	Reported												
Selenium, Total Recoverable	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only	N/A	mg/l		1/quarter	24 hr
Year Round							Avg. Monthly	Max. Daily					Composite
00011 (ML-5) RF-A	Reported												
Temperature, F	Permit Limits	N/A	N/A			Rpt Only	Rpt Only	Rpt Only	N/A	DEG.F		1/week	Insitu
Year Round						Inst. Min.	Avg. Monthly	Inst. Max.					
00011 (ML-1) RF-A	Reported												
Temperature, F	Order Limits	N/A	N/A			Rpt Only	Rpt Only	75	N/A	DEG.F		Continuous	measured
Winter Dec 1-Apr 30						Inst. Min.	Avg. Monthly	Inst. Max.					
03772 (ML-2) RF-A	Reported												
Temp. Diff. Up/Down Stream (F)	Order Limits	N/A	N/A			Rpt Only	Rpt Only	Rpt Only	N/A	DEG.F		1/week	Calculated
Year Round						Inst. Min.	Avg. Monthly	Inst. Max.					
									N/A				
									N/A				
									N/A				
									N/A				

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer <div style="border: 1px solid black; height: 20px; width: 100%;"></div>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
Title of Officer <div style="border: 1px solid black; height: 20px; width: 100%;"></div>		Signature of Principal Executive Officer or Authorized Agent <div style="border: 1px solid black; height: 40px; width: 100%;"></div>

00026506

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Final Order Limitations
Summer May 1-Nov 30

FACILITY NAME: (MOUNT STORM POWER STATION) VIRGINIA ELECTRIC & POW CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: MOUNT STORM; Grant County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0005525 OUTLET NO.: 001
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units				CEL*	Units	N.E.	Measurement Frequency	Sample Type
				Units	N.E.									
50050 (ML-1) RF-A	Reported													
Flow, In Conduit or thru plant	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only		N/A	mgd		Continuous	measured
Year Round							Avg. Monthly	Max. Daily						
00530 (ML-1) RF-A	Reported													
Total Suspended Solids	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only		N/A	mg/l		2/month	24 hr Composite
Year Round							Avg. Monthly	Max. Daily						
00400 (ML-1) RF-A	Reported													
pH	Permit Limits	N/A	N/A			8	N/A	9		N/A	S.U.		2/month	Grab
Year Round						Inst. Min.		Inst. Max.						
00300 (ML-1) RF-A	Reported													
Dissolved Oxygen	Permit Limits	N/A	N/A			Rpt Only	Rpt Only	Rpt Only		N/A	mg/l		2/month	Grab
Year Round						Inst. Min.	Avg. Monthly	Inst. Max.						
00800 (ML-1) RF-A	Reported													
Nitrogen, Total (as N)	Permit Limits	Rpt Only	Rpt Only	Lbs/Daily		N/A	5	Rpt Only		N/A	mg/l		1/month	24 hr Composite
Year Round		Avg. Monthly	Max. Daily				Avg. Monthly	Max. Daily						
00665 (ML-1) RF-A	Reported													
Phosphorus, Total	Permit Limits	Rpt Only	Rpt Only	Lbs/Daily		N/A	0.5	Rpt Only		N/A	mg/l		1/month	24 hr Composite
Year Round		Avg. Monthly	Max. Daily				Avg. Monthly	Max. Daily						
71900 (ML-1) RF-B	Reported													
Mercury, Total (as Hg)	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only		N/A	ug/l		1/quarter	Grab
Year Round							Avg. Monthly	Max. Daily						
01104 (ML-1) RF-B	Reported													
Aluminum, Total Recoverable	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only		N/A	mg/l		1/quarter	24 hr Composite
Year Round							Avg. Monthly	Max. Daily						

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed
Title of Officer		Signature of Principal Executive Officer or Authorized Agent

00026507

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Final Order Limitations
Summer May 1-Nov 30

FACILITY NAME: (MOUNT STORM POWER STATION) VIRGINIA ELECTRIC & POW CERTIFIED LABORATORY NAME: _____
 LOCATION OF FACILITY: MOUNT STORM; Grant County CERTIFIED LABORATORY ADDRESS: _____
 PERMIT NO.: WV0005525 OUTLET NO.: 001
 WASTELOAD FOR THE MONTH OF: _____ INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units				CEL*	Units	N.E.	Measurement Frequency	Sample Type
				Units	N.E.									
00980 (ML-1) RF-B	Reported													
Iron, Total Recoverable	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only		N/A	mg/l		1/quarter	24 hr
Year Round							Avg. Monthly	Max. Daily					Composite	
00981 (ML-1) RF-B	Reported													
Selenium, Total Recoverable	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only		N/A	mg/l		1/quarter	24 hr
Year Round							Avg. Monthly	Max. Daily					Composite	
00011 (ML-5) RF-A	Reported													
Temperature, F	Permit Limits	N/A	N/A			Rpt Only	Rpt Only	Rpt Only		N/A	DEG.F		1/week	Insitu
Year Round						Inst. Min.	Avg. Monthly	Inst. Max.						
00011 (ML-1) RF-A	Reported													
Temperature, F	Order Limits	N/A	N/A			Rpt Only	Rpt Only	95		N/A	DEG.F		Continuous	measured
Summer May 1-Nov 30						Inst. Min.	Avg. Monthly	Inst. Max.						
03772 (ML-2) RF-A	Reported													
Temp. Diff. Up/Down Stream (F)	Order Limits	N/A	N/A			Rpt Only	Rpt Only	Rpt Only		N/A	DEG.F		1/week	Calculated
Year Round						Inst. Min.	Avg. Monthly	Inst. Max.						
										N/A				
										N/A				
										N/A				

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer <div style="border: 1px solid black; height: 20px; margin-top: 5px;"></div>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed <div style="border: 1px solid black; display: inline-block; width: 100px; height: 20px; vertical-align: middle;"></div> Signature of Principal Executive Officer or Authorized Agent <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>
Title of Officer <div style="border: 1px solid black; height: 20px; margin-top: 5px;"></div>		

00026508

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Final Order Limitations
Winter Dec 1-Apr 30

FACILITY NAME: (MOUNT STORM POWER STATION) VIRGINIA ELECTRIC & POW

CERTIFIED LABORATORY NAME: _____

LOCATION OF FACILITY: MOUNT STORM; Grant County

CERTIFIED LABORATORY ADDRESS: _____

PERMIT NO.: WV0005525

OUTLET NO.: 001

WASTELOAD FOR THE MONTH OF: _____

INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units			CEL*	Units	N.E.	Measurement Frequency	Sample Type
				Units	N.E.								
50050 (ML-1) RF-A	Reported												
Flow, in Conduit or thru plant	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only	N/A	mgd		Continuous	measured
Year Round							Avg. Monthly	Max. Daily					
00530 (ML-1) RF-A	Reported												
Total Suspended Solids	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only	N/A	mg/l		2/month	24 hr Composite
Year Round							Avg. Monthly	Max. Daily					
00400 (ML-1) RF-A	Reported												
pH	Permit Limits	N/A	N/A			6	N/A	9	N/A	S.U.		2/month	Grab
Year Round						Inst. Min.		Inst. Max.					
00300 (ML-1) RF-A	Reported												
Dissolved Oxygen	Permit Limits	N/A	N/A			Rpt Only	Rpt Only	Rpt Only	N/A	mg/l		2/month	Grab
Year Round						Inst. Min.	Avg. Monthly	Inst. Max.					
00600 (ML-1) RF-A	Reported												
Nitrogen, Total (as N)	Permit Limits	Rpt Only	Rpt Only	Lbs/Day		N/A	5	Rpt Only	N/A	mg/l		1/month	24 hr Composite
Year Round		Avg. Monthly	Max. Daily				Avg. Monthly	Max. Daily					
00665 (ML-1) RF-A	Reported												
Phosphorus, Total	Permit Limits	Rpt Only	Rpt Only	Lbs/Day		N/A	0.5	Rpt Only	N/A	mg/l		1/month	24 hr Composite
Year Round		Avg. Monthly	Max. Daily				Avg. Monthly	Max. Daily					
71900 (ML-1) RF-B	Reported												
Mercury, Total (as Hg)	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only	N/A	ug/l		1/quarter	Grab
Year Round							Avg. Monthly	Max. Daily					
01104 (ML-1) RF-B	Reported												
Aluminum, Total Recoverable	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only	N/A	mg/l		1/quarter	24 hr Composite
Year Round							Avg. Monthly	Max. Daily					

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed
Title of Officer		Signature of Principal Executive Officer or Authorized Agent

00026509

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Final Order Limitations
Winter Dec 1-Apr 30

FACILITY NAME: (MOUNT STORM POWER STATION) VIRGINIA ELECTRIC & POW

CERTIFIED LABORATORY NAME: _____

LOCATION OF FACILITY: MOUNT STORM, Grant County

CERTIFIED LABORATORY ADDRESS: _____

PERMIT NO.: WV0005525

OUTLET NO.: 001

WASTELOAD FOR THE MONTH OF: _____

INDIVIDUAL PERFORMING ANALYSIS: _____

Parameter		Quantity				Other Units				CEL*	Units	N.E.	Measurement Frequency	Sample Type
				Units	N.E.									
00980 (ML-1) RF-B	Reported													
Iron, Total Recoverable	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only		N/A	mg/l		1/quarter	24 hr Composite
Year Round							Avg. Monthly	Max. Daily						
00981 (ML-1) RF-B	Reported													
Selenium, Total Recoverable	Permit Limits	N/A	N/A			N/A	Rpt Only	Rpt Only		N/A	mg/l		1/quarter	24 hr Composite
Year Round							Avg. Monthly	Max. Daily						
00011 (ML-5) RF-A	Reported													
Temperature, F	Permit Limits	N/A	N/A			Rpt Only	Rpt Only	Rpt Only		N/A	DEG.F		1/week	Insitu
Year Round						Inst. Min.	Avg. Monthly	Inst. Max.						
00011 (ML-1) RF-A	Reported													
Temperature, F	Order Limits	N/A	N/A			Rpt Only	Rpt Only	75		N/A	DEG.F		Continuous	measured
Winter Dec 1-Apr 30						Inst. Min.	Avg. Monthly	Inst. Max.						
03772 (ML-2) RF-A	Reported													
Temp. Diff. Up/Down Stream (F)	Order Limits	N/A	N/A			Rpt Only	Rpt Only	Rpt Only		N/A	DEG.F		1/week	Calculated
Year Round						Inst. Min.	Avg. Monthly	Inst. Max.						
										N/A				
										N/A				
										N/A				

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer: <div style="border: 1px solid black; height: 20px; margin-top: 5px;"></div>	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed: <div style="border: 1px solid black; display: inline-block; width: 100px; height: 20px; vertical-align: middle;"></div> Signature of Principal Executive Officer or Authorized Agent: <div style="border: 1px solid black; display: inline-block; width: 150px; height: 40px; vertical-align: middle;"></div>
Title of Officer: <div style="border: 1px solid black; height: 20px; margin-top: 5px;"></div>		

00026510

RIGHT OF APPEAL

Notice is hereby given of your right to appeal the terms and conditions of this order which you are aggrieved by to the Environmental Quality Board by filing a NOTICE OF APPEAL on the form prescribed by such Board for this purpose, with the Board, in accordance with the provisions of Section 21, Article 11, Chapter 22 of the Code of West Virginia within thirty (30) days after the date of receipt of such order.